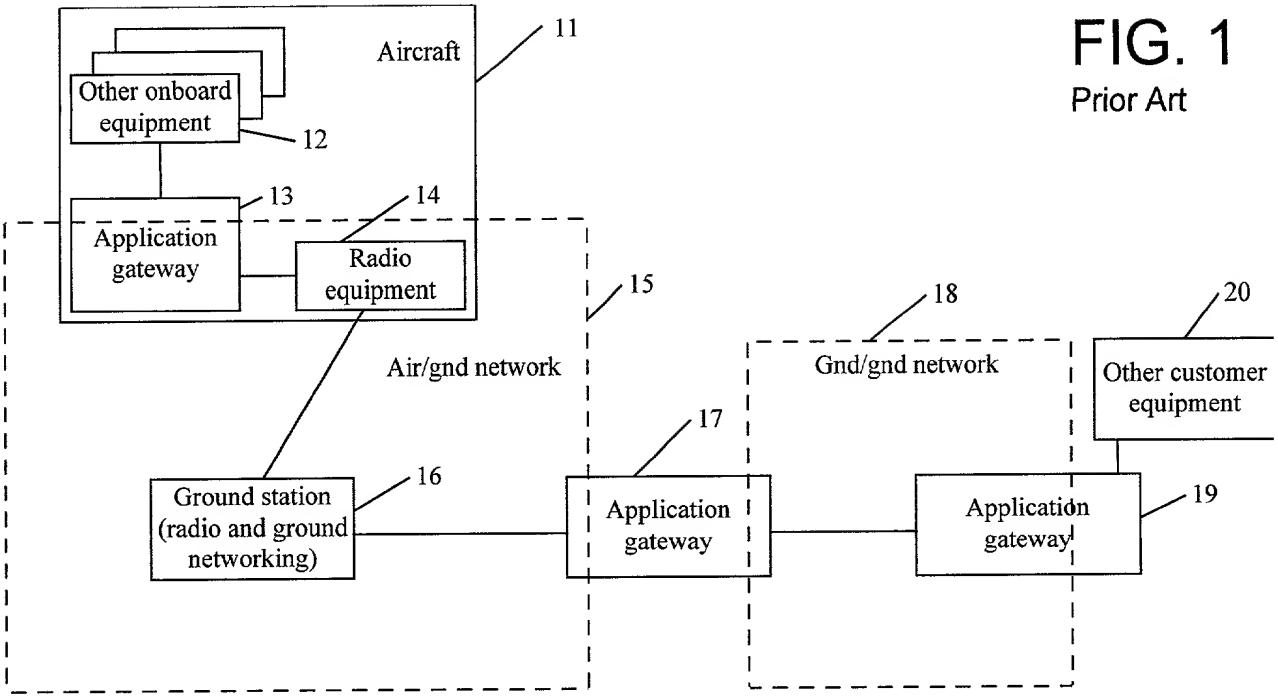

FIG. 1
Prior Art

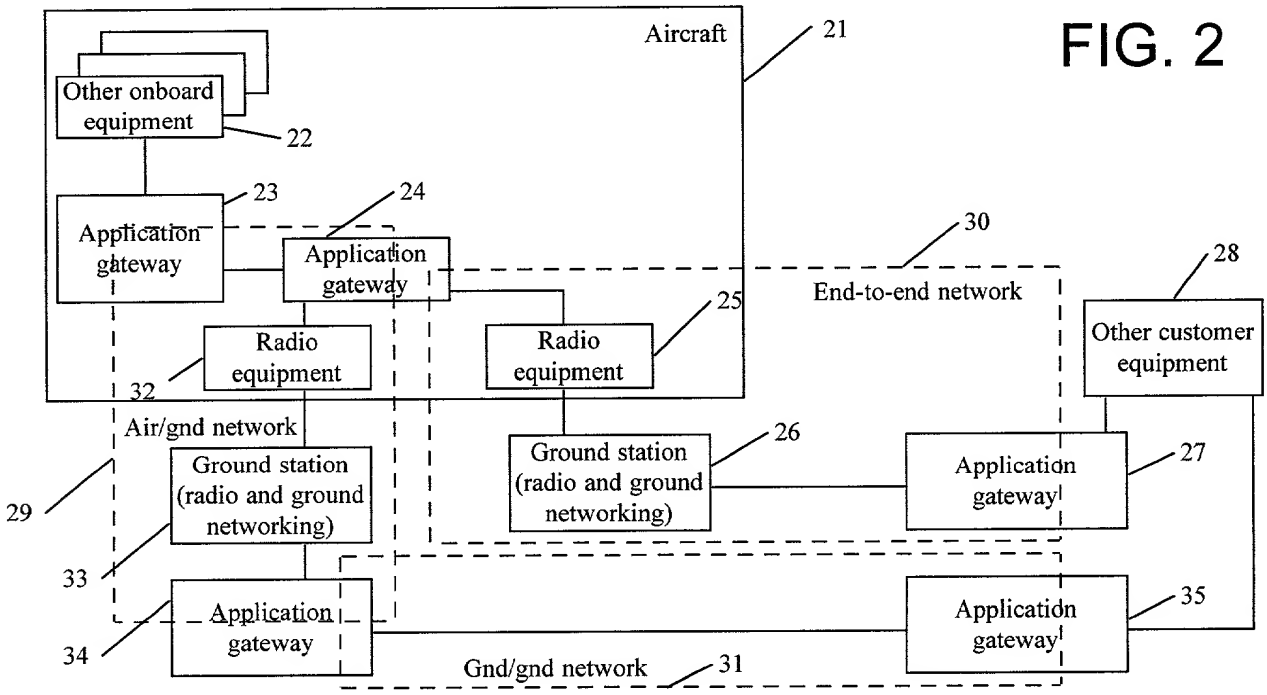

FIG. 2

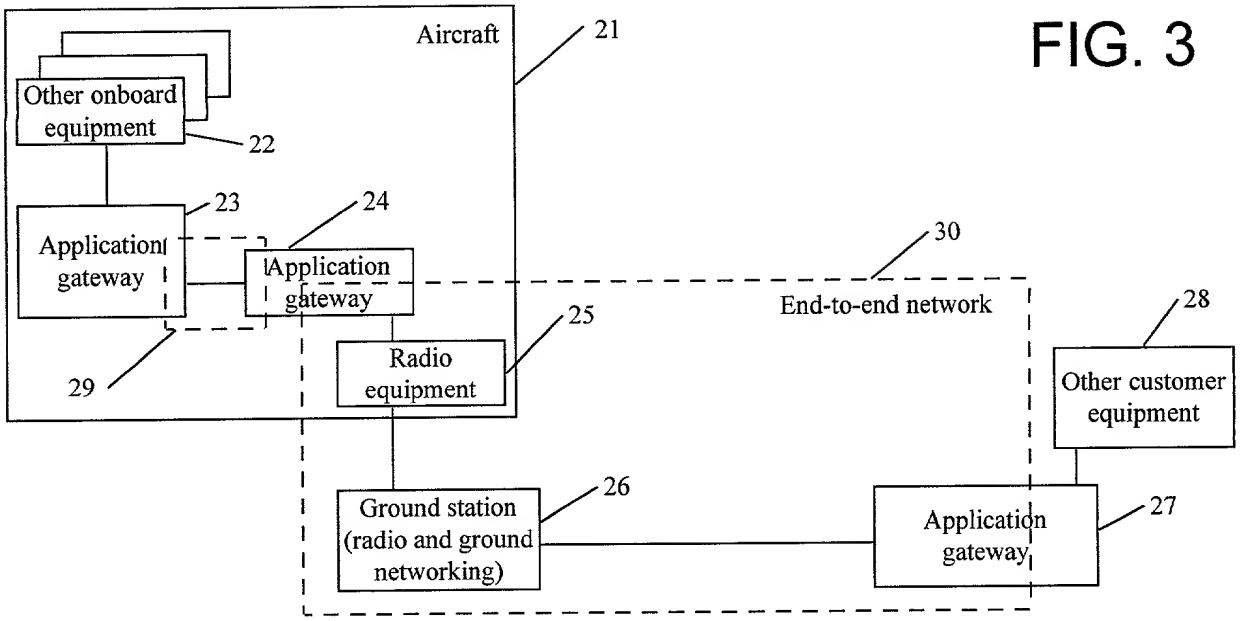
Aircraft
21
Other onboard equipment
22
23
24
Application gateway
Application gateway
30
End-to-end network
28
25
Radio equipment
Other customer equipment
29
26
Ground station (radio and ground networking)
Application gateway
27

FIG. 3

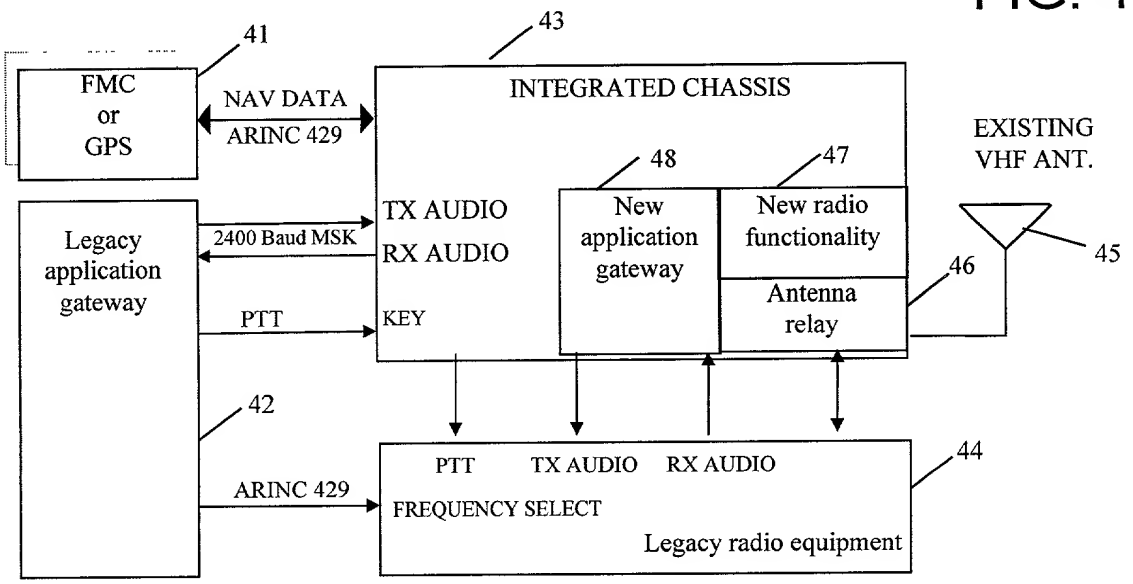
41
43
FMC or GPS
NAV DATA
ARINC 429
INTEGRATED CHASSIS
EXISTING VHF ANT.
48
47
Legacy application gateway
2400 Baud MSK
TX AUDIO
RX AUDIO
New application gateway
New radio functionality
46
45
PTT
KEY
Antenna relay
42
44
PTT
TX AUDIO
RX AUDIO
ARINC 429
FREQUENCY SELECT
Legacy radio equipment

FIG. 4